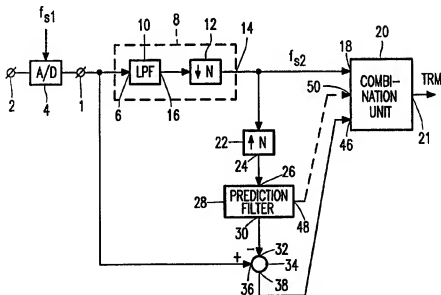




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(54) Title: TRANSMISSION OF A DIGITAL INFORMATION SIGNAL HAVING A SPECIFIC FIRST SAMPLING FREQUENCY



(57) Abstract

A transmitter is disclosed for transmitting a digital information signal having a specific first sampling frequency (f_{s1}) via a transmission medium. The digital information signal is lowpass filtered (10) and down sampled (12) so as to obtain a low frequency component of the digital information signal. This signal is transmitted via the transmission medium (TRM). Further the low frequency component is upsampled (22) and filtered (28) and subsequently subtracted (34) from the original digital information signal. The difference signal thus obtained is also transmitted.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 97/00463

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04L 29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: H04B, H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5432511 A (A. SAJJADIAN ET AL), 11 July 1995 (11.07.95), abstract --	1-24
A	US 5499273 A (A.C.S. KULL ET AL), 12 March 1996 (12.03.96), abstract -- -----	1-24

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Date of the actual completion of the international search

21 November 1997

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INTERNATIONAL SEARCH REPORT

Information on patent family members

01/10/97

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